

## CHANGE ISSUE – RTCA/DO-242

# MASPS for ADS-B

## Rev. A

Tracking Information (committee secretary only)	
Change Issue Number	10
Submission Date	1/11/01
Status (open/closed/deferred)	REJECTED
Last Action Date	5/24/01

Short Title for Change Issue:	Are VFR/IFR distinctions on data source requirements proper?
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MASPS Document Reference:		Originator Information:	
Entire document (y/n)		Name	Chris Moody / Mitre/CAASD
Section number(s)		Phone	(703) 883-5506
Paragraph number(s)		E-mail	cmoody@mitre.org
Table/Figure number(s)		Other	

Proposed Rationale for Consideration (originator should check all that apply):	
	Item needed to support of near-term MASPS/MOPS development
X	DO-260/ED-102 1090 MHz Link MOPS Rev A
	ASA MASPS
	TIS-B MASPS
	UAT MOPS
	Item needed to support applications that have well defined concept of operation
	Has complete application description
	Has initial validation via operational test/evaluation
	Has supporting analysis, if candidate stressing application
	Item needed for harmonization with international requirements
	Item identified during recent ADS-B development activities and operational evaluations
X	MASPS clarifications and correction item
	Validation/modification of questioned MASPS requirement item
	Military use provision item
	New requirement item (must be associated with traffic surveillance to support ASAS)

Nature of Issue:		Editorial		Clarity		Performance	X	Functional
<u>Issue Description:</u>  The attached comment <b>questioning if VFR/IFR distinctions on data source requirements is proper</b> was presented to the SC-186 plenary in reference to the ballot on the 1090 MHz ADS-B MOPS (DO-260). It was agreed that this issue would be deferred from consideration in DO-260 until it was first considered for inclusion in a future revision of the ADS-B MASPS. Included with the attached comment is the official response from working group 3, which was charted with development of DO-260.								

Originator's proposed resolution if any: Proposed resolution is attached with comment from DO-260 ballot.

### Working Group 6 Deliberations:

May 24, 2001: This Issue Paper was discussed by the ad hoc group at their May 2001 meeting. It was agreed that this Issue Paper is REJECTED because the group felt the MASPS is already adequate in this regard and that it is an air-worthiness issue.

**ADS-B 1090 MHz Rev A Comments Related to MASPS Changes  
RTCA SC-186 WG-3/EUROCAE WG-51 SG-1**

#	Comment Author	DO-260 Section	Page	Comment / Rationale	Suggested Resolution
23	C.Moody (16)	3.1	629	<p>Should any Class of equipment be allowed to use a VFR GPS system? Every ADS-B installation will likely support conflict avoidance and some ground based ATC services. We really don't make a VFR/IFR distinction for transponders; should we for the data source requirements for A0/A1/B1?</p> <p><b>WG#3 Position:</b> <i>WG#3 agrees this issue needs addressed in DO-242A.</i></p>	Have consistent minimum information source requirements for A0/A1/B1.